

FIG. 1

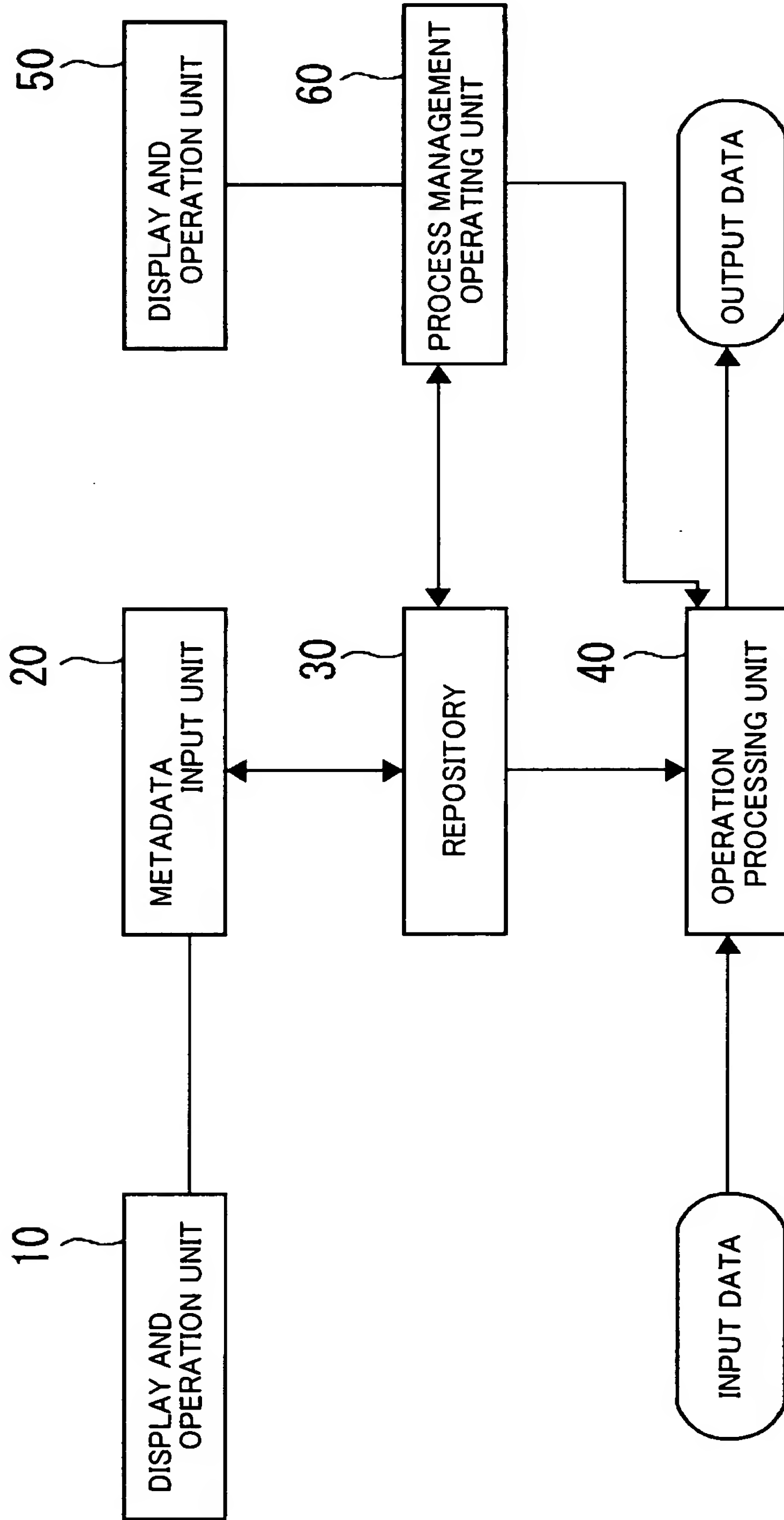


FIG. 2

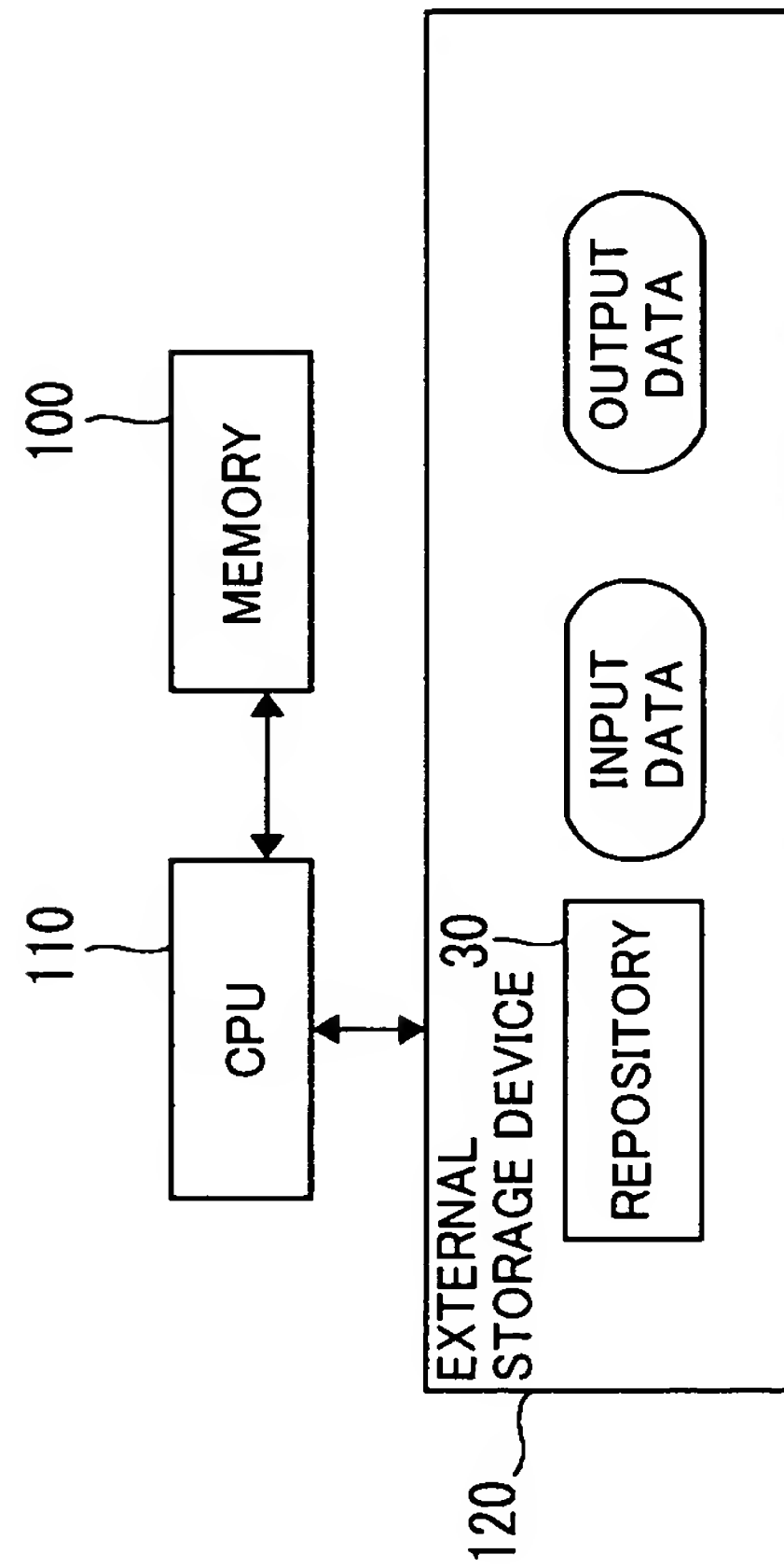


FIG. 3

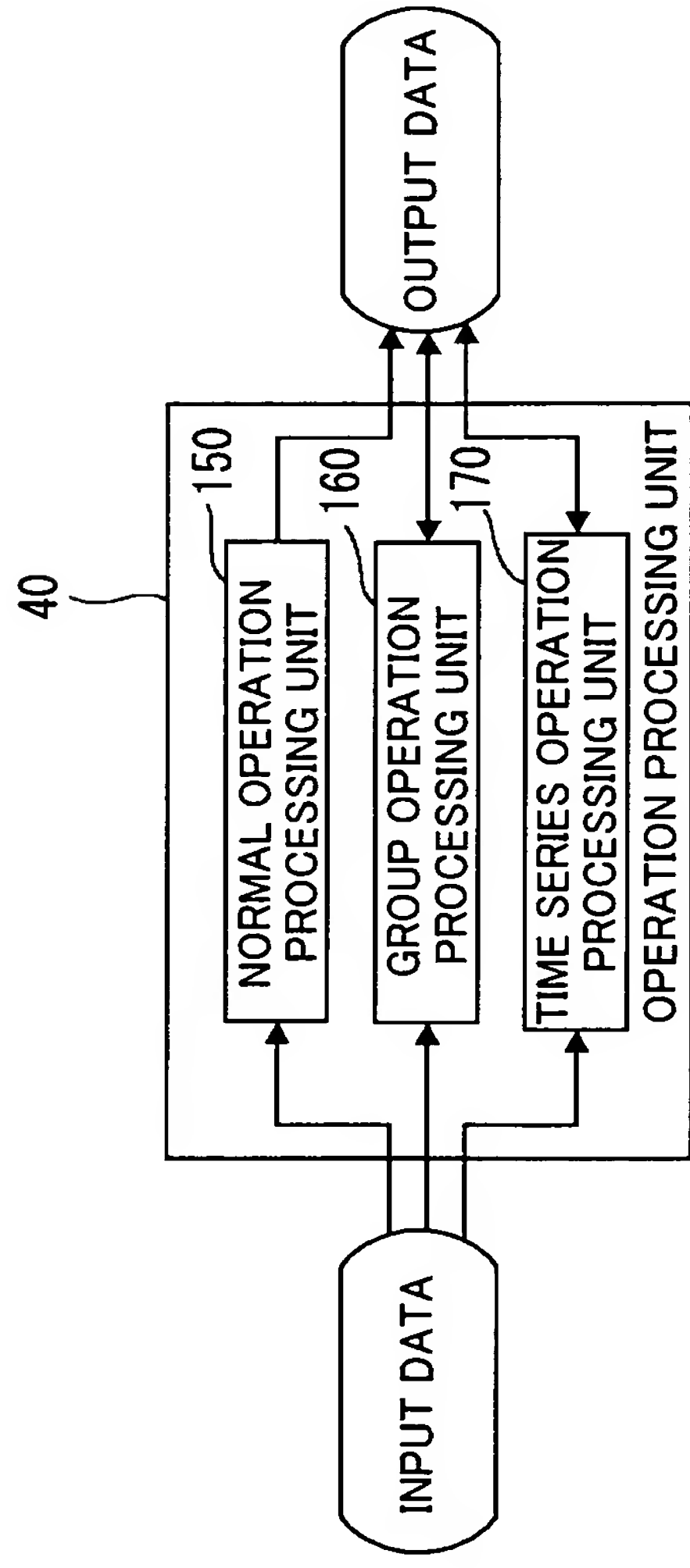


FIG. 4

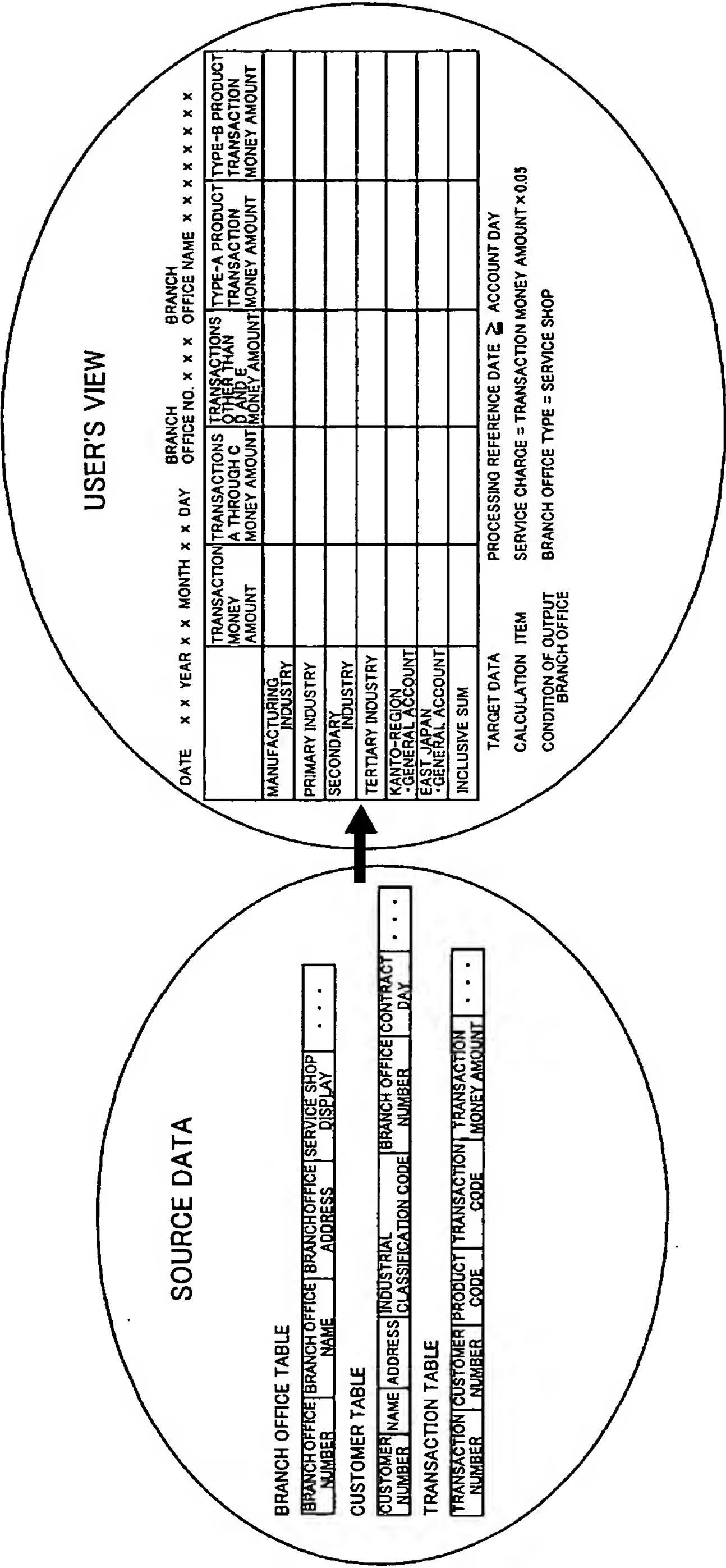


FIG. 5

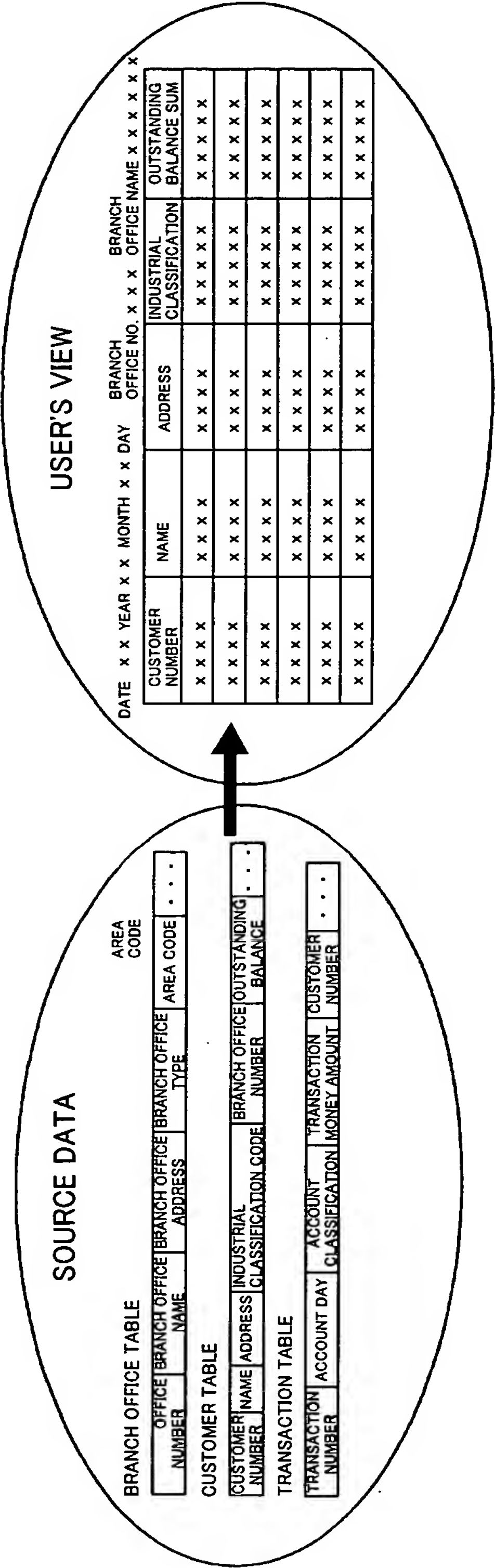


FIG. 6

FIG. 7

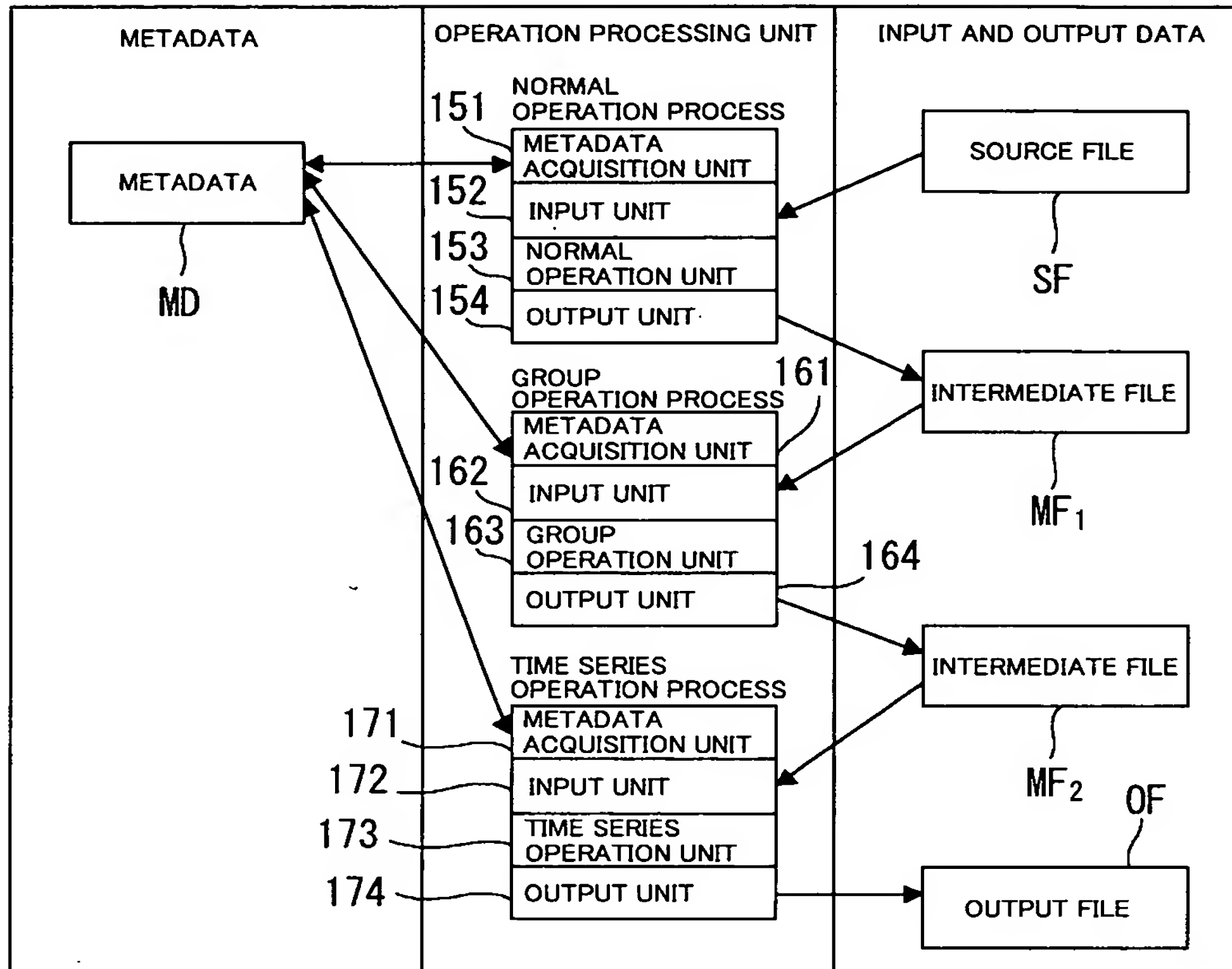


FIG. 8

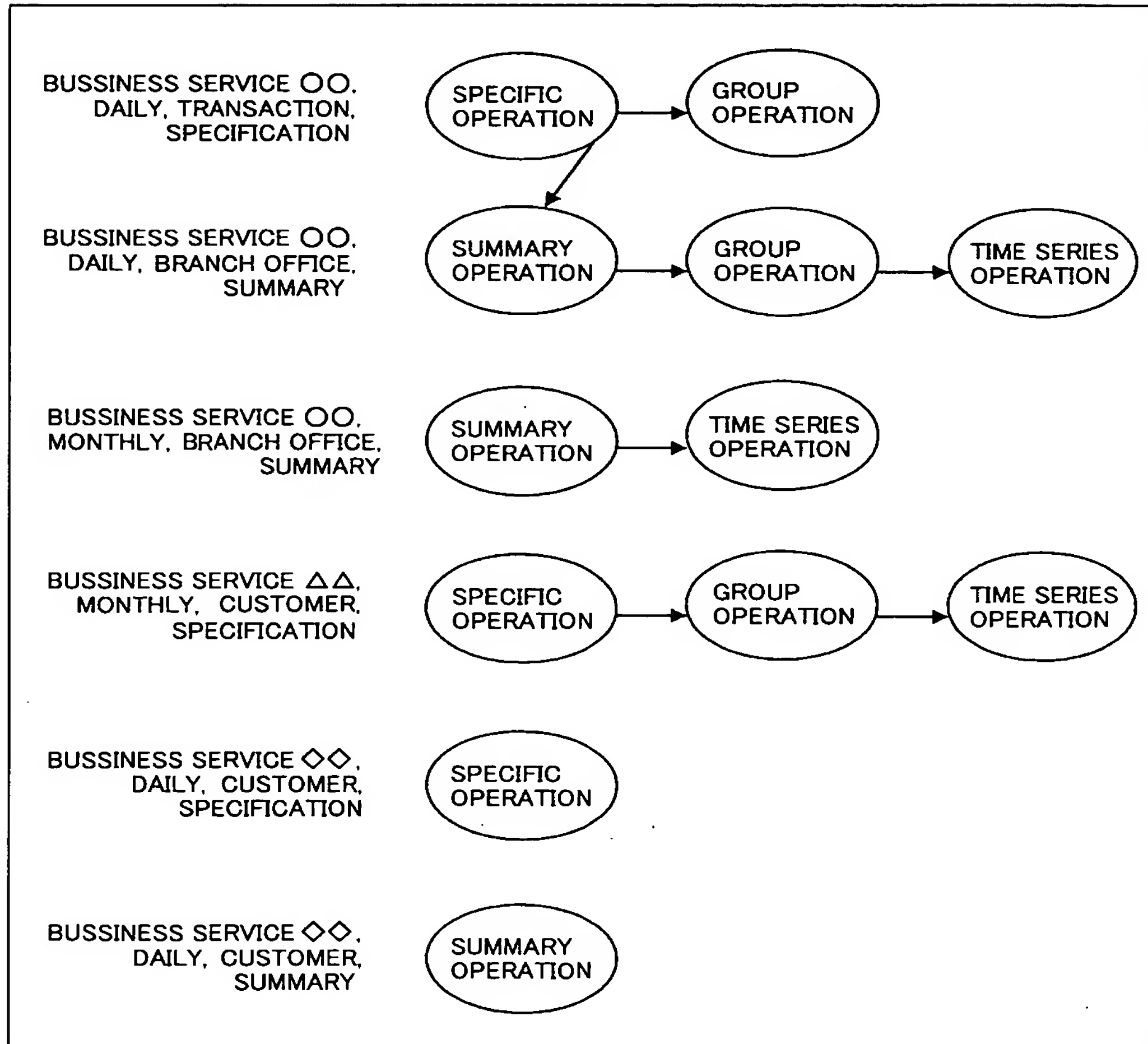


FIG. 9

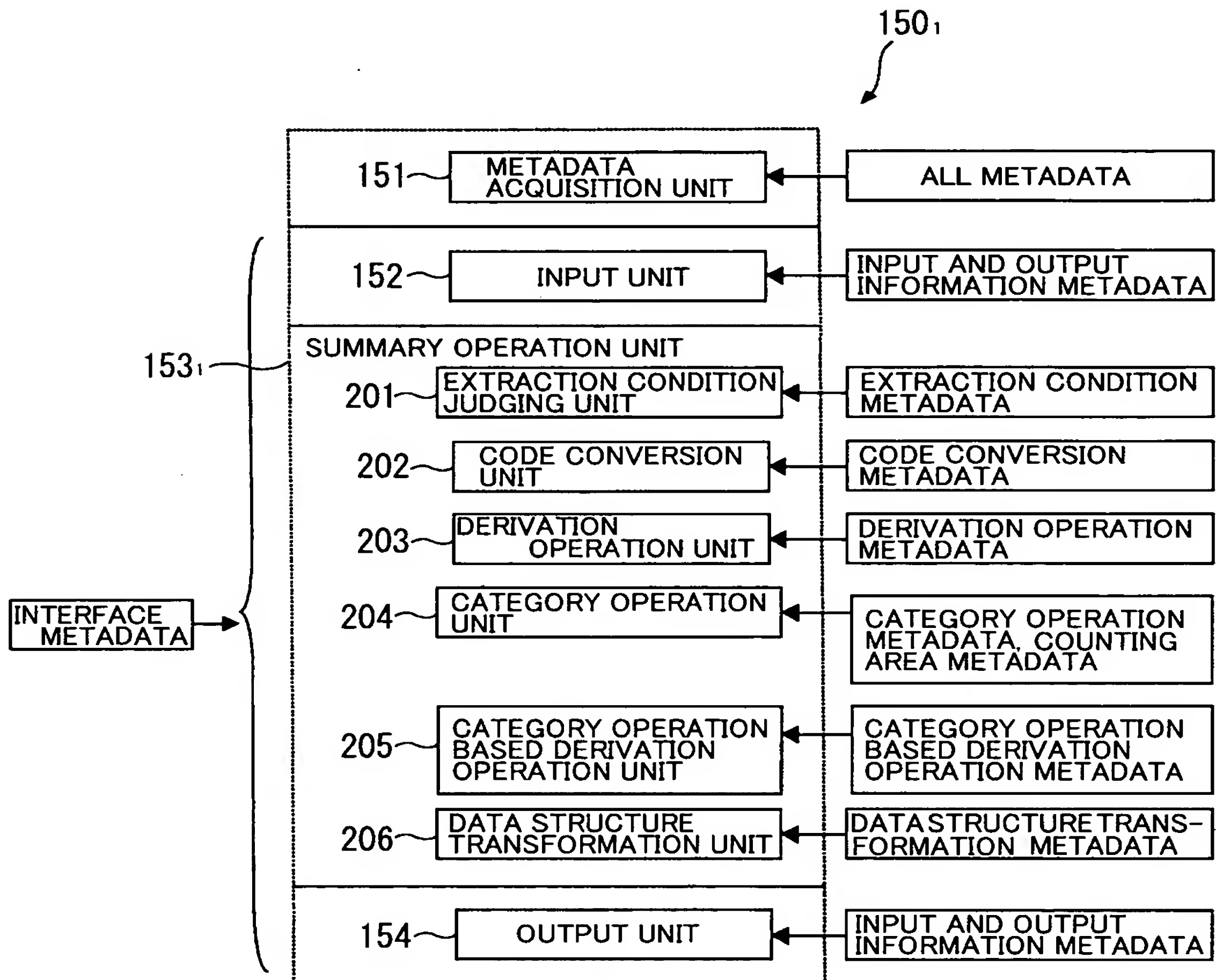


FIG. 10

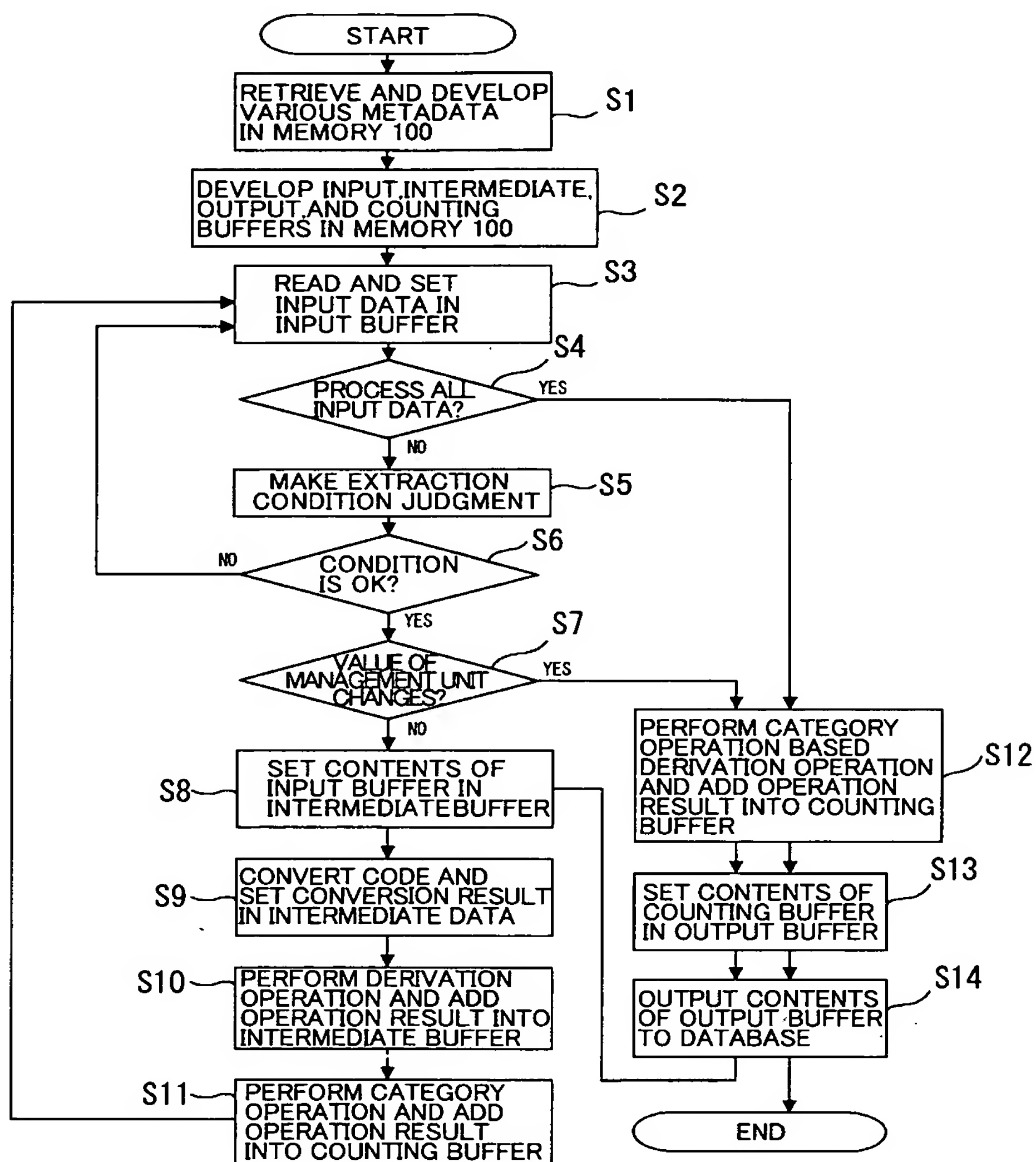


FIG. 11

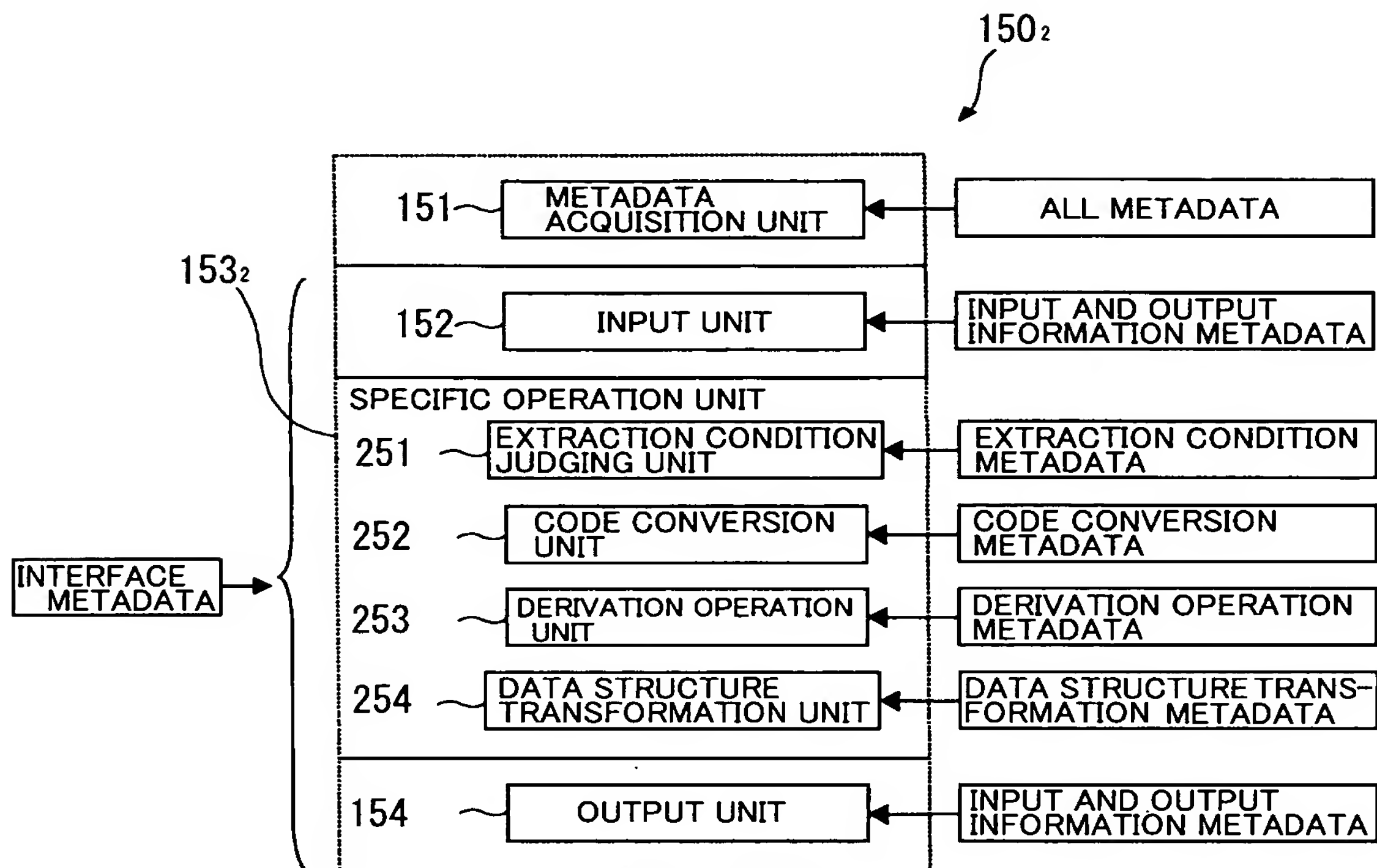


FIG. 12

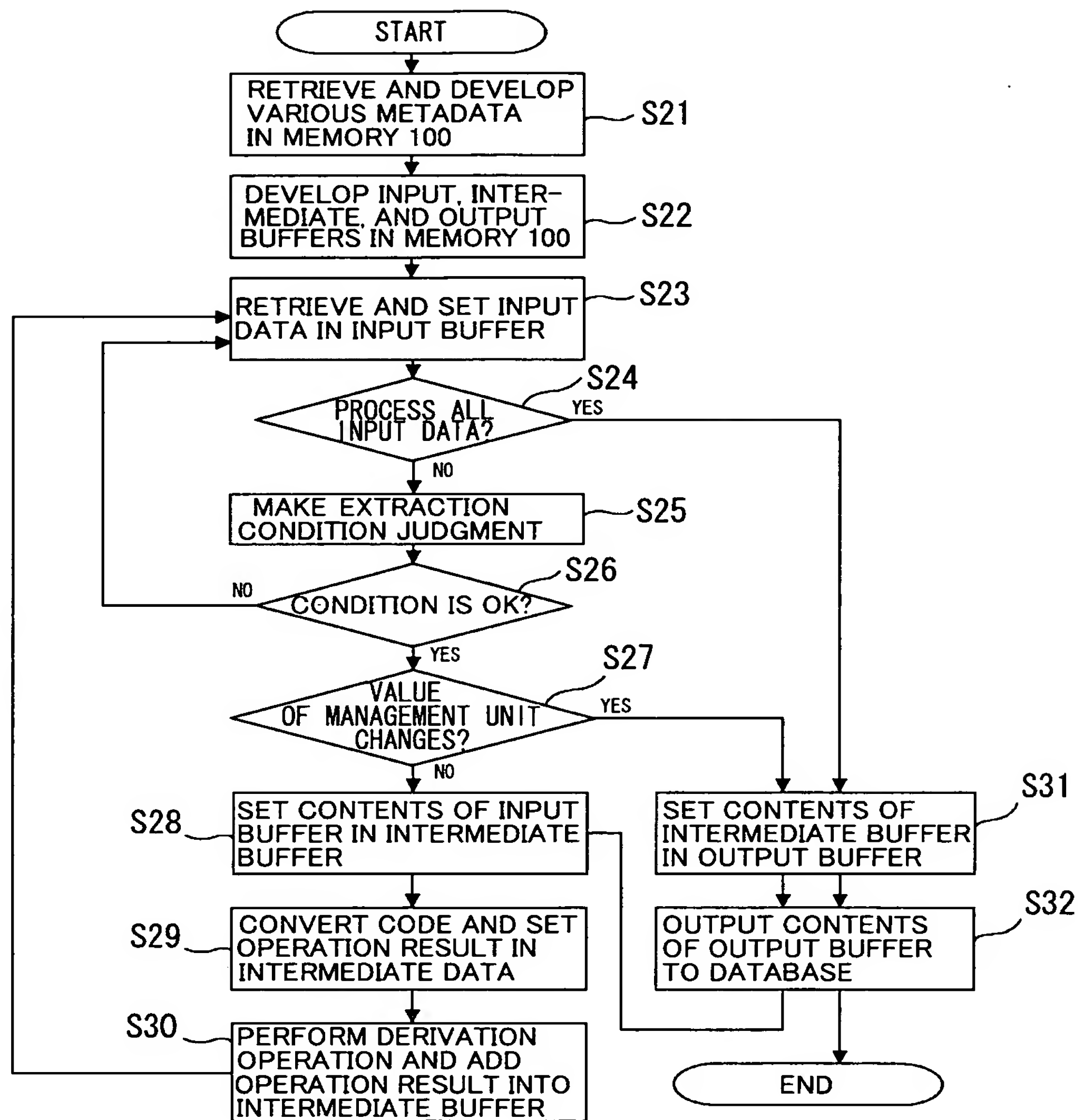


FIG. 13

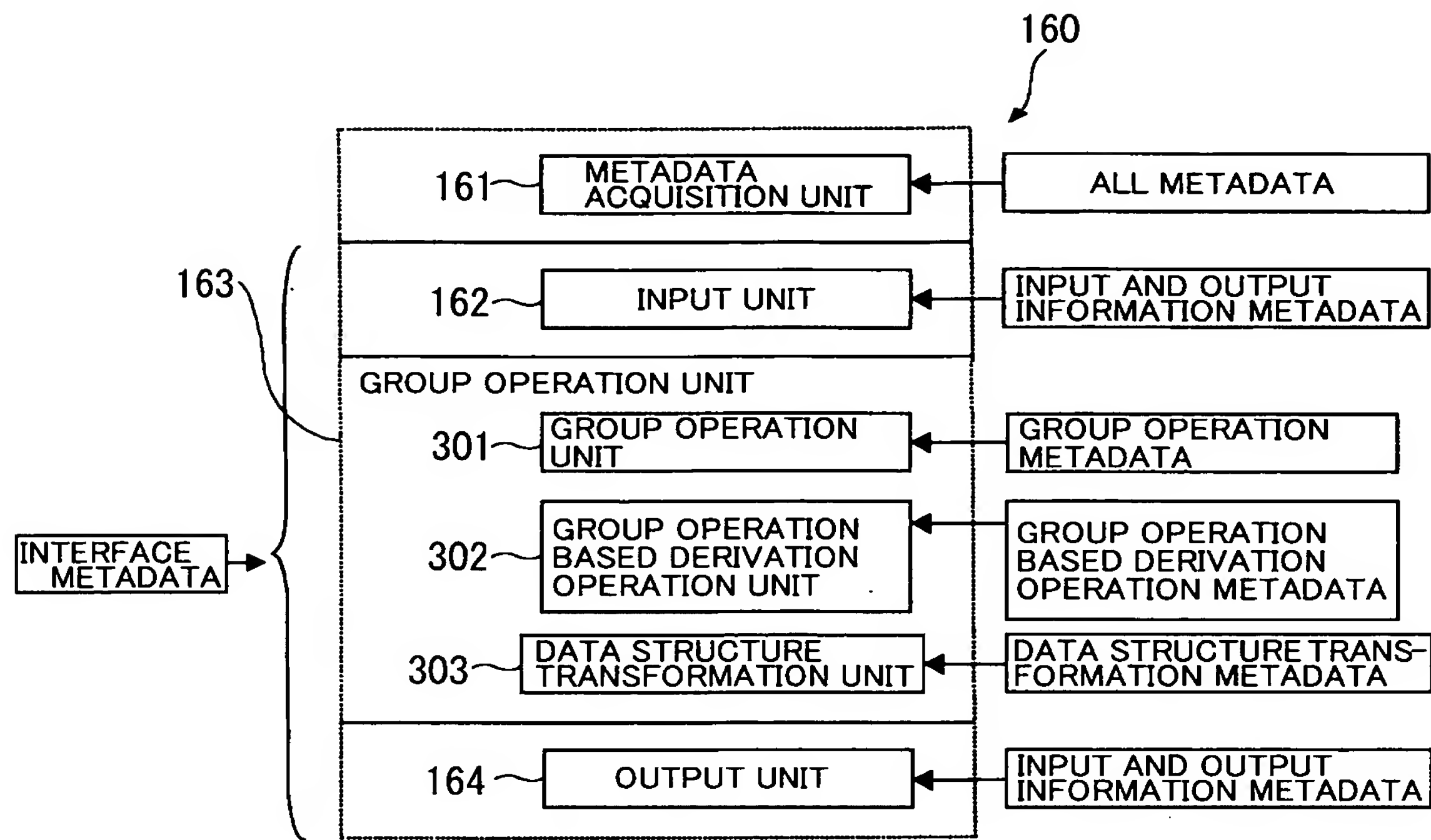


FIG. 14

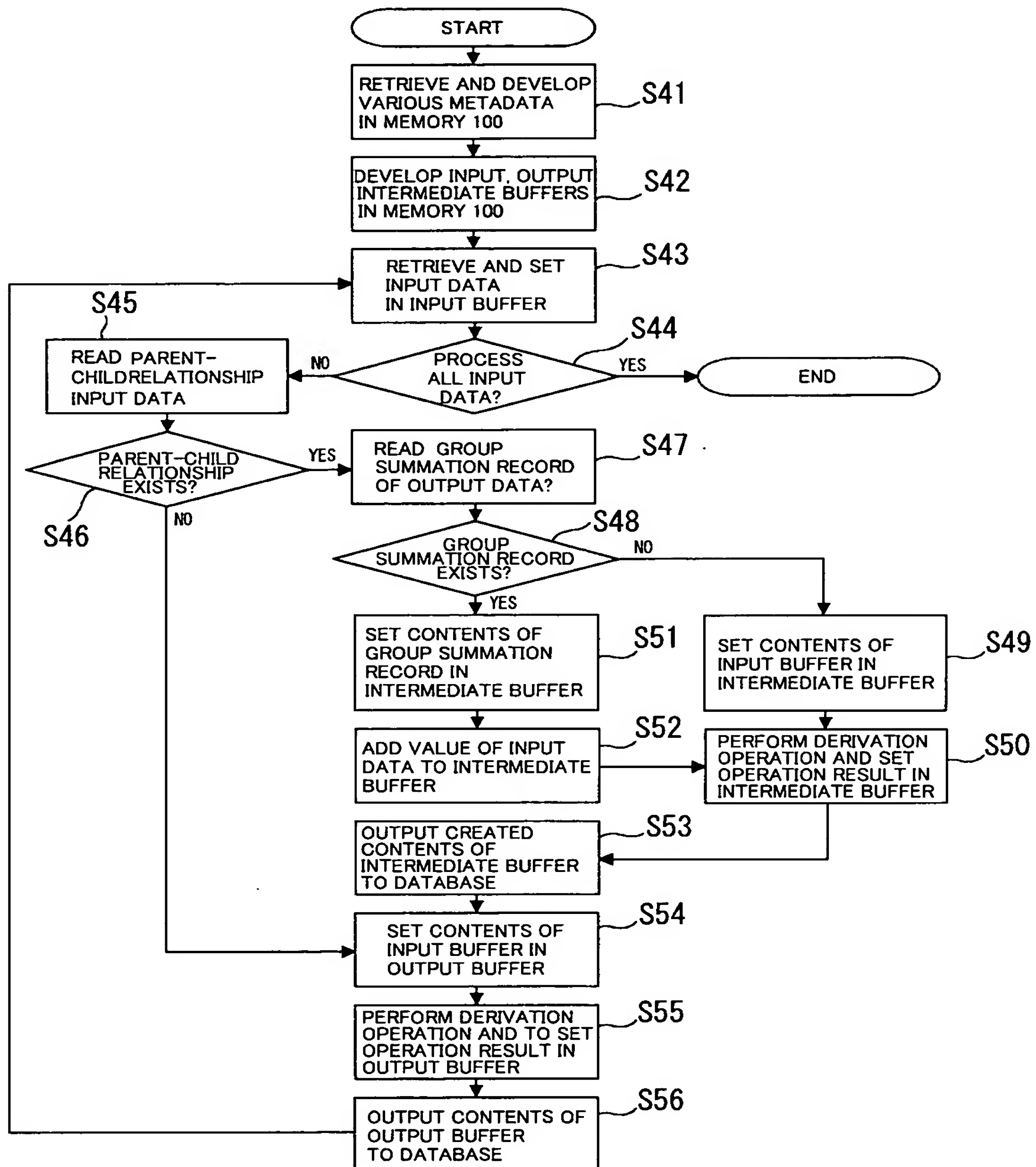


FIG. 15

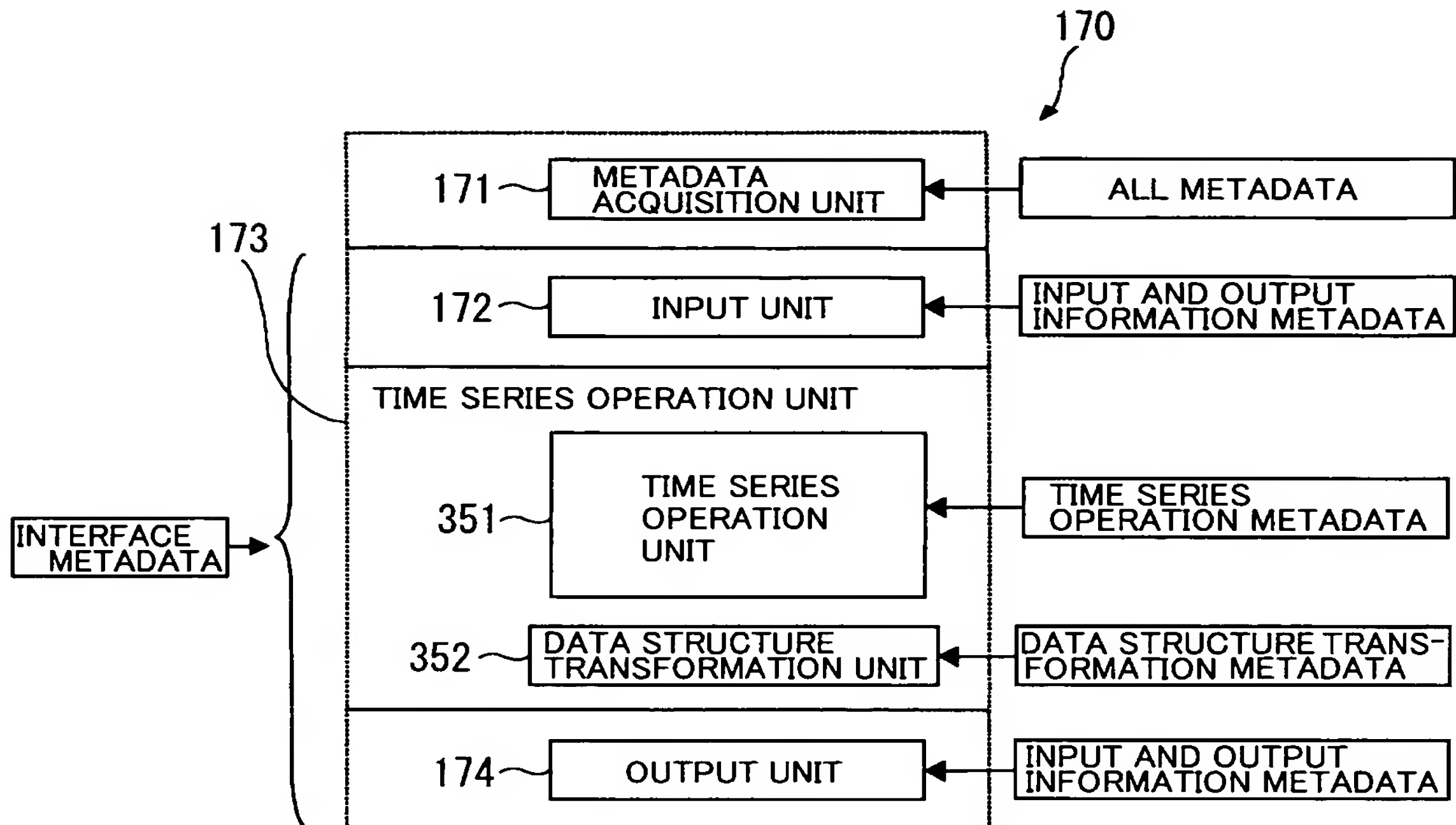
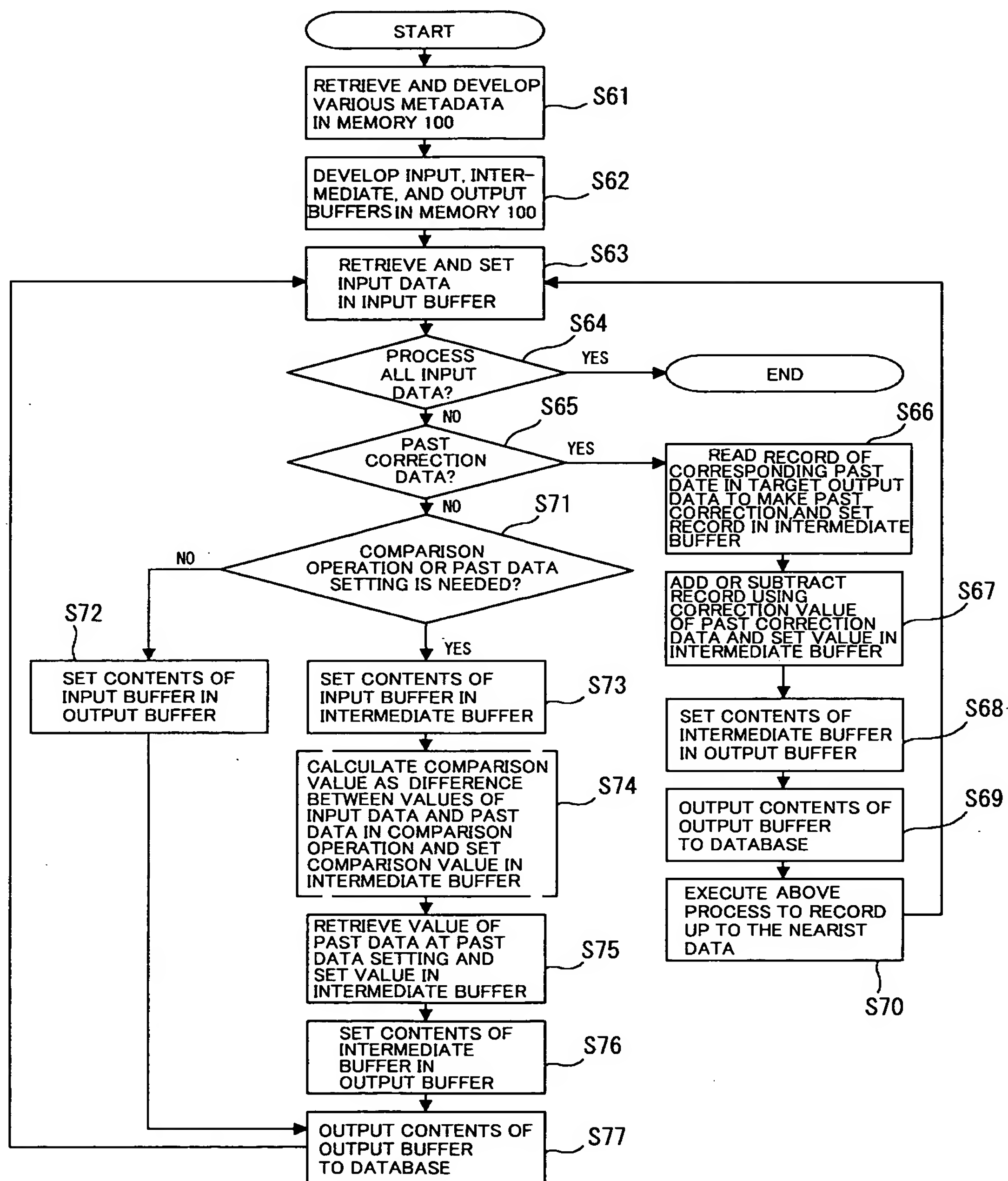


FIG. 16



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FIG. 17A

BRANCH OFFICE TABLE						
BRANCH OFFICE NUMBER	BRANCH OFFICE NAME	BRANCH OFFICE ADDRESS	BRANCH OFFICE TYPE	EAST JAPAN DISPLAY	WEST JAPAN DISPLAY	...

FIG. 17B

CUSTOMER TABLE							
CUSTOMER NUMBER	BRANCH OFFICE NUMBER	NAME	ADDRESS	AREA CODE	INDUSTRIAL CLASSIFICATION CODE	COMPANY SIZE CODE	CONTRACT DAY ...

FIG. 17C

TRANSACTION TABLE						
TRANSACTION NUMBER	CUSTOMER NUMBER	PRODUCT CODE	TRANSACTION CODE	TRANSACTION MONEY AMOUNT	ACCOUNT DAY	...

FIG. 18

DATE x x YEAR x x MONTH x x DAY			BRANCH OFFICE NO. x x x		BRANCH OFFICE NAME x x x x x x x x	
	TRANSACTION MONEY AMOUNT	TRANSACTIONS aTHROUGH c MONEY AMOUNT	TRANSACTIONS d AND e MONEY AMOUNT	TYPE-A PRODUCT TRANSACTION MONEY AMOUNT	TYPE-B PRODUCT TRANSACTION MONEY AMOUNT	
MANUFACTURING INDUSTRY						
PRIMARY INDUSTRY						
SECONDARY INDUSTRY						
TERTIARY INDUSTRY						
TOKYO LARGE COMPANY						
MEDIUM AND SMALL COMPANY						
INCLUSIVE SUM						

FIG. 19

DATE x x YEAR x x MONTH x x DAY		BRANCH OFFICE NO. x x x		BRANCH OFFICE NAME x x x x x x x x	
	TRANSACTION MONEY AMOUNT FROM 0 TO 5,000,000 YEN	TRANSACTION MONEY AMOUNT FROM 5,000,000 TO 10,000,000 YEN	TRANSACTION MONEY AMOUNT MORE THAN 10,000,000YEN	PREVIOUS DAY'S AMOUNT	COMPARISON OF PREVIOUS DAY'S TRANSACTION MONEY AMOUNT WITH THAT OF END OF PREVIOUS MONTH
PRODUCT 1					
PRODUCT 2					
PRODUCT 3					
PRODUCT 4					
PRODUCT 5					
MEDIUM AND SMALL COMPANY					
INCLUSIVE SUM					

FIG. 20

CATEGORY	CATEGORY HIERARCHY	
AGRICULTURAL INDUSTRY	AQUA PRODUCTS INDUSTRY	PRIMARY INDUSTRY
FOREST INDUSTRY		
FISHING INDUSTRY		
AQUACULTURE INDUSTRY		
GENERAL INDUSTRIAL MACHINE MANUFACTURING INDUSTRY	MANUFACTURING INDUSTRY	SECONDARY INDUSTRY
PRECISION MACHINE MANUFACTURING INDUSTRY		
OO MANUFACTURING INDUSTRY		
FOOD PRODUCT		
XXXX		
BANK		TERTIARY INDUSTRY
FINANCING SERVICE		
△△△		

FIG. 21

CATEGORY	CATEGORY HIERARCHY
HOKKAIDO	—
.	.
SAITAMA	—
CHIBA	—
TOKYO	TOKYO
KANAGAWA	—
.	.
OKINAWA	—

FIG. 22

CATEGORY	CATEGORY HIERARCHY	
PRODUCT 1	TYPE-A PRODUCT	
PRODUCT 2		
PRODUCT 3		
PRODUCT 4		
PRODUCT 5		TYPE-B PRODUCT

FIG. 23

CATEGORY	CATEGORY HIERARCHY
TRANSACTION a	TRANSACTIONS a THROUGH c
TRANSACTION b	
TRANSACTION c	
TRANSACTION d	TRANSACTIONS d AND e
TRANSACTION e	

FIG. 24

CATEGORY	CATEGORY HIERARCHY
LARGE COMPANY	LARGE COMPANY
MEDIUM COMPANY	MEDIUM AND SMALL COMPANY
SMALL COMPANY	

FIG. 25

CATEGORY	CATEGORY HIERARCHY
0 TO 5,000,000 YEN	0 TO 5,000,000 YEN
5,000,000 TO 10,000,000 YEN	5,000,000 TO 10,000,000 YEN
MORE THAN 10,000,000 YEN	MORE THAN 10,000,000 YEN

FIG. 26

BRANCH OFFICE NUMBER	BRANCH OFFICE NAME	EAST JAPAN DISPLAY	WEST JAPAN DISPLAY
001	SAPPORO	1	0
002	SENDAI	1	0
003	TOKYO	1	0
004	OSAKA	0	1
005	FUKUOKA	0	1

FIG. 27A

GENERAL ATTRIBUTE INFORMATION		
DATA ITEM NAME	PHONETIC CHARACTER	...
BRANCH OFFICE NUMBER	XXXXX	...
COSTOMER NAME	XXXXX	...
.

FIG. 27B

CLASSIFYING ATTRIBUTE INFORMATION		
DATA ITEM NAME	PHONETIC CHARACTER	...
PRODUCT CODE	XXXXX	...
INDUSTRIAL CLASSIFICATION CODE	XXXXX	...
.

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FIG. 27C

CATEGORY INFORMATION				
CLASSIFYING ATTRIBUTE NAME	CATEGORY NAME	PHONETIC CHARACTER	CODE VALUE	...
PRODUCT CODE	PRODUCT 1	XXXX	1	...
PRODUCT CODE	PRODUCT 2	XXXX	2	...
.
INDUSTRIAL CLASSIFICATION CODE	AGRICULTURAL INDUSTRY	XXXX	001	...
INDUSTRIAL CLASSIFICATION CODE	MANUFACTURING INDUSTRY	XXXX	002	...
.

FIG. 27D

CATEGORY HIERARCHY INFORMATION			
CLASSIFYING ATTRIBUTE INFORMATION	CATEGORY NAME	HIERARCHY CATEGORY NAME	...
PRODUCT CODE	PRODUCT 1	TYPE-A PRODUCT	...
PRODUCT CODE	PRODUCT 2	TYPE-A PRODUCT	...
PRODUCT CODE	PRODUCT 3	TYPE-A PRODUCT	...
PRODUCT CODE	PRODUCT 4	TYPE-A PRODUCT	...
.
INDUSTRIAL CLASSIFICATION CODE	AGRICULTURAL INDUSTRY	PRIMARY INDUSTRY	...
INDUSTRIAL CLASSIFICATION CODE	FISHING INDUSTRY	PRIMARY INDUSTRY	...
INDUSTRIAL CLASSIFICATION CODE	FOREST INDUSTRY	PRIMARY INDUSTRY	...
.

FIG. 28A

FILE LIST			
BUSINESS SERVICE CLASSIFICATION	TABLE NAME	MEDIUM TYPE	...
BUSINESS SERVICE A	BRANCH OFFICE TABLE	XXXXX	...
BUSINESS SERVICE A	CUSTOMER TABLE	XXXXX	...
BUSINESS SERVICE A	TRANSACTION TABLE	XXXXX	...

FIG. 28B

SCHEMA ABOUT FILE						
BUSINESS SERVICE CLASSIFICATION	TABLE NAME	DATA ITEM NAME	COLUMN NAME	DATA ATTRIBUTE	LENGTH	...
BUSINESS SERVICE A	BRANCH OFFICE TABLE	BRANCH OFFICE NUMBER	XXXX	XXXX	XXXX	...
BUSINESS SERVICE A	BRANCH OFFICE TABLE	BRANCH OFFICE NAME	XXXX	XXXX	XXXX	...
.

FIG. 28C

MANAGEMENT UNIT						
BUSINESS SERVICE CLASSIFICATION	MANAGEMENT UNIT NAME	CORRESPONDING FILE	COLUMN NAME (PK)	COLUMN NAME (PK)	COLUMN NAME (PK)	...
BUSINESS SERVICE A	BRANCH OFFICE	BRANCH OFFICE TABLE	BRANCH OFFICE NUMBER	—	—	...

FIG. 28D

LIST OF FILES USED IN EACH PROCESS					
BUSINESS SERVICE CLASSIFICATION	CYCLE	MANAGEMENT UNIT	SPECIFICATION/SUMMARY	INPUT FILE	...
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	BRANCH OFFICE TABLE	...
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	CUSTOMER TABLE	...
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	TRANSACTION TABLE	...

FIG. 28E

RELATION LIST OF FILES USED IN EACH PROCESS							
BUSINESS SERVICE CLASSIFICATION	CYCLE	MANAGEMENT UNIT	SPECIFICATION /SUMMARY	FILE	FILE	PK..	FK..
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	BRANCH OFFICE TABLE	CUSTOMER TABLE	XXXX	XXXX
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	CUSTOMER TABLE	TRANSACTION TABLE	XXXX	XXXX

FIG. 29A

FIG. 29B

FIG. 29C

[illegible]

FIG. 29D

COLUMN ITEM OF USER'S VIEW							
BUSINESS SERVICE CLASSIFICATION	CYCLE	MANAGEMENT UNIT	SPECIFICATION /SUMMARY	USER'S VIEW NUMBER	CLASSIFYING ATTRIBUTE NAME	CATEGORY NAME	...
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	1	INDUSTRIAL CLASSIFICATION CODE	MANUFACTURING INDUSTRY	...
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	1	INDUSTRIAL CLASSIFICATION CODE	PRIMARY INDUSTRY	...
.
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	2	PRODUCT CODE	PRODUCT1	...
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	2	PRODUCT CODE	PRODUCT1	...
.

FIG. 30A

EXTRACTION CONDITION					
BUSINESS SERVICE CLASSIFICATION	CYCLE	MANAGEMENT UNIT	SPECIFICATION /SUMMARY	EXTRACTION CONDITION EXPRESSION	
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	BRANCH OFFICE TYPE = "SERVICE SHOP DISPLAY"	...

FIG. 30B

CODE CONVERSION								
BUSINESS SERVICE CLASSIFICATION	CYCLE	MANAGEMENT UNIT	SPECIFICATION /SUMMARY	GENERAL ATTRIBUTE NAME	PRE-CONVERTED CLASSIFYING ATTRIBUTE/CODE	CONVERTED CLASSIFYING ATTRIBUTE /CODE	RANGE ALTERATION	...
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	TRANSACTION MONEY AMOUNT	-	MONEY AMOUNT HIERARCHY CODE 0 TO 5,000,000 YEN	0<, <500	...
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	TRANSACTION MONEY AMOUNT	-	MONEY AMOUNT HIERARCHY CODE 5,000,000 TO 10,000,000 YEN	500<, <1000	...
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	TRANSACTION MONEY AMOUNT	-	MONEY AMOUNT HIERARCHY CODE MORE THAN 10,000,000 YEN	<1000	...

FIG. 30C

DERIVATION OPERATION								
BUSINESS SERVICE CLASSIFICATION	CYCLE	MANAGEMENT UNIT	SPECIFICATION /SUMMARY	OPERATION UNIT ITEM	AGGREGATION UNIT ITEM	CONDITION EXPRESSION	DERIVATION OPERATION EXPRESSION	...
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	-	-	-	SERVICE CHARGE=TRANSACTION MONEY AMOUNT × 0.05	...

FIG. 31

GROUP OPERATION (CORRESPONDING TO CLASSIFICATION DISPLAY)								
BUSINESS SERVICE CLASSIFICATION	CYCLE	MANAGEMENT UNIT	SPECIFICATION /SUMMARY	DISPLAY DATA ITEM NAME	SET DATA ITEM NAME	SET VALUE	SET CONTENTS	...
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	EAST JAPAN DISPLAY	BRANCH OFFICE NUMBER	100	EAST JAPAN	...
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	WEST JAPAN DISPLAY	BRANCH OFFICE NUMBER	101	WEST JAPAN	...

FIG. 32A

CUSTOMER TABLE					
CUSTOMER NUMBER	NAME	PARENT-CUSTOMER NUMBER	GROUP NUMBER	MONEY AMOUNT	...
001	XXX	-	A010	30	...
002	○○	001	A010	40	...
003	△△	001	B021	10	...
004	□□	002	B021	5	...
005	◇◇	-	B021	20	...

FIG. 32B

GROUP REPRESENTATIVE CUSTOMER TABLE		
REPRESENTATIVE CUSTOMER NUMBER	GROUP NUMBER	...
001	A010	...
003	B021	...

FIG. 32C

OUTPUT DATA			
CUSTOMER NUMBER	PARENT-CHILD CLASSIFICATION	...	MONEY AMOUNT
001	0	...	30
001	1	...	80
001	2	...	70
002	0	...	40
002	1	...	45
003	0	...	10
003	2	...	35
004	0	...	5
005	0	...	20

FIG. 33

GROUP OPERATION (CORRESPONDING TO PARENT-CHILD)								
BUSINESS SERVICE CLASSIFICATION	CYCLE	MANAGEMENT UNIT	SPECIFICATION /SUMMARY	PARENT ITEM NAME	CHILD ITEM NAME	GROUP ITEM NAME	PARENT-CHILD CLASSIFICATION ITEM NAME	...
BUSINESS SERVICE A	DAILY	CUSTOMER	SUMMARY	PARENT-CUSTOMER NUMBER	CUSTOMER NUMBER	GROUP NUMBER	PARENT-CHILD CLASSIFICATION	...

FIG. 34A

PAST DATA ACQUISITION INFORMATION						
BUSINESS SERVICE CLASSIFICATION	CYCLE	MANAGEMENT UNIT	SPECIFICATION /SUMMARY	TIME POINT CLASSIFICATION	VALUE ITEM NAME	...
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	PREVIOUS DAY	TRANSACTION MONEY AMOUNT	...

FIG. 34B

COMPARISON VALUE OPERATION INFORMATION							
BUSINESS SERVICE CLASSIFICATION	CYCLE	MANAGEMENT UNIT	SPECIFICATION /SUMMARY	TIME POINT CLASSIFICATION	COMPARISON CLASSIFICATION	VALUE ITEM NAME	...
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	PREVIOUS DAY	COMPARISON WITH END OF PREVIOUS MONTH	TRANSACTION MONEY AMOUNT	...

FIG. 34C

PAST DATA CORRECTION INFORMATION						
BUSINESS SERVICE CLASSIFICATION	CYCLE	MANAGEMENT UNIT	SPECIFICATION /SUMMARY	CORRECTION CLASSIFICATION	VALUE ITEM NAME	...
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	RETROACTIVE CORRECTION	TRANSACTION MONEY AMOUNT	...

FIG. 34D

TIME SERIES HOLDING PERIOD INFORMATION					
BUSINESS SERVICE CLASSIFICATION	CYCLE	MANAGEMENT UNIT	SPECIFICATION /SUMMARY	HOLDING PERIOD	...
BUSINESS SERVICE A	DAILY	BRANCH OFFICE	SUMMARY	30 DAYS	...

FIG. 35A

FIG. 35B

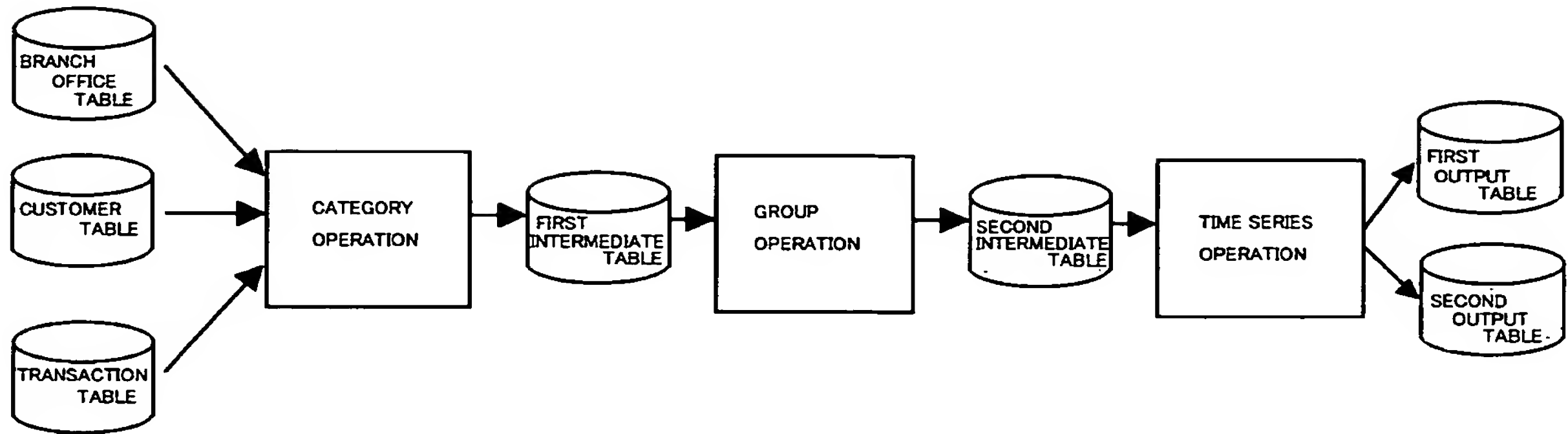
[illegible]

FIG. 36A

FIG. 36B

[illegible]

FIG. 37



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FIG. 38

[illegible]

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FIG. 39

DATE	BRANCH OFFICE NUMBER	INDUSTRIAL CLASSIFICATION CODE	AREA CODE	COMPANY SIZE CODE	TRANSACTION CODE	PRODUCT CODE	MONEY AMOUNT HIERARCHY CODE	TRANSACTION MONEY AMOUNT	SERVICE CHARGE
XXX	XXX	MANUFACTURING INDUSTRY	-	-	-	-	-	XXXXXX	-
XXX	XXX	MANUFACTURING INDUSTRY	-	-	TRANSACTIONS a THROUGH c	-	-	XXXXXX	-
.
XXX	XXX	PRIMARY INDUSTRY	-	-	-	-	-	XXXXXX	-
XXX	XXX	PRIMARY INDUSTRY	-	-	TRANSACTIONS a THROUGH c	-	-	XXXXXX	-
.
XXX	XXX	-	TOKYO	LARGE COMPANY	-	-	-	XXXXXX	-
XXX	XXX	-	TOKYO	LARGE COMPANY	TRANSACTIONS a THROUGH c	-	-	XXXXXX	-
.
XXX	XXX	-	-	-	-	PRODUCT 1	0 TO 5,000,000 YEN	XXXXXX	-
.
XXX	100	MANUFACTURING INDUSTRY	-	-	-	-	-	XXXXXX	-
.
XXX	101	MANUFACTURING INDUSTRY	-	-	-	-	-	XXXXXX	-

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FIG. 40

[illegible]

FIG. 41

[illegible]